CLAIMS

1. An induction heating cooker comprising:

a heating coil, having an opening at center, for providing a load pot with induction heating;

an inverter circuit for supplying a high-frequency current to the heating coil;

an infrared sensor, disposed under the opening, for sensing an intensity of an infrared ray radiated from the load pot;

a temperature calculating unit for calculating a temperature of the load pot based on an output from the infrared sensor;

a control unit for controlling an output from the inverter circuit in response to an output from the temperature calculating unit;

a first magnetism-proofing unit, disposed under the heating coil, for converging magnetic fluxes;

a second magnetism-proofing unit, disposed between an inner rim of the heating coil and the infrared sensor, for converging magnetic fluxes; and

a waveguide, disposed lower than an upper surface of the second magnetism-proofing unit, for guiding an infrared ray radiated from the load pot to the infrared sensor.

2. The induction heating cooker of claim 1, wherein the upper surface of the second magnetism-proofing unit is disposed flush with a top face of the heating coil.

3. The induction heating cooker of claim 1, wherein a lower surface of the second magnetism-proofing unit is disposed lower than an upper surface of

the first magnetism-proofing unit.

4. The induction heating cooker of claim 1, wherein the first magnetism-proofing unit and the second magnetism-proofing unit are unitarily formed such that a lateral sectional view thereof shows like letter "L".

5. The induction heating cooker of claim 1 further comprising a cylindrical heat-shielding unit made of nonmagnetic metal and disposed between the infrared sensor and the second magnetism-proofing unit, wherein the heat-shielding unit is disposed lower than the upper surface of the second magnetism-proofing unit.

6. The induction heating cooker of claim 5, wherein the heat-shielding unit has a slit at a part of its cylindrical body.

7. The induction heating cooker of claim 5, wherein a top face of the heat-shielding unit is disposed flush with a top face of the waveguide.

8. The induction heating cooker of claim 5, wherein another temperature sensing element, having an arc shape sighted from above, for sensing temperatures of the second magnetism-proofing unit and the load pot is disposed between the inner rim of the heating coil and the heat-shielding unit made of nonmagnetic metal.